

What is claimed is:

1. A ball point pen comprising:

a tip body including a front end edge portion, a ball
5 seat provided inward at a front end, and a ball rotatably held
in said front end edge portion and said ball seat;

an ink tube formed to provide said tip body at a front
end thereof;

ink reserved in said ink tube;

10 an ink follower disposed at a rear end of said ink
and advancing with consumption of said ink, and

an elastic member urging said ball forward to bring
said ball into contact with an inner surface of said front
end edge portion of said tip body,

15 wherein the value of outflow of ink per writing distance
of 100 m, until a measurement time just before outflow of 80 %
of the amount of charged ink from the start of writing in the
case where an outflow of ink is measured at intervals of a
writing distance of 100 m, is in a range between a value smaller
20 by 20 mg than the outflow of ink in the writing distance range
of from 0 m to 100 m and a value larger by 20 mg than the outflow
of ink in the writing distance range of from 0 m to 100 m.

2. A ball point pen according to Claim 1, wherein the
25 decrement of the head of ink per writing distance of 100 m,
until a measurement time just before outflow of 80 % of the

amount of charged ink from the start of writing in the case where an outflow of ink is measured at intervals of a writing distance of 100 m, is in a range of from 3 mm to 12 mm.

5 3. A ball point pen according to Claim 2, wherein the increment of longitudinal movable length of said ball at a front end of said tip body per writing distance of 100 m, until a measurement time just before outflow of 80 % of the amount of charged ink from the start of writing in the case where
10 an outflow of ink is measured at intervals of a writing distance of 100 m, is in a range of from 0.1 μm to 1.5 μm .

4. A ball point pen according to Claim 1, wherein the viscosity of said ink at 20°C
15 is in a range of from 1 mPa·s to 50 mPa·s.

5. A ball point pen according to Claim 1,
 wherein the viscosity of said ink measured at 20°C at a rotational speed of 100 rpm by an E-type rotational viscometer
20 is in a range of from 3 mPa·s to 160 mPa·s, and
 the shear-thinning index of said ink is in a range of from 0.80 to 0.99.

6. A ball point pen according to Claim 1,
25 wherein the tip body is made of a right circular cylindrical small tube of a metal, and

plural inward protrusions are formed at regular circumferential intervals on an inner surface near a front end of the tip body by deformation due to inward pressing.

- 5 7. A ball point pen according to Claim 1,
 wherein the tip body has a ball holding hole and a
 ball seat formed at a front end portion by cutting a metal
 material.

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